Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/16/2017 10:38 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124573	-1	1.66	124392	1.61
Blue	F	SSC	125000	124812	-1	3.23	125125	3.07
Blue	E	FITC	21625	21297	-2	3.09	951	9.97
Blue	D	PE	26832	26388	-2	1.98	947	8.99
Blue	B	PerCP-Cy5-5	48027	47844	-1	3.40	1376	15.95
Blue	A	PE-Cy7	40971	40574	-1	4.92	627	32.83
Red	C	APC	49746	49414	-1	2.95	2849	9.09
Red	A	APC-Cy7	53615	52887	-2	3.18	1097	10.96
Violet	B	V450	14488	13861	-5	5.34	661	9.40
Violet	A	V500	55123	53393	-4	5.08	2370	7.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18722	4.54	597	-1	N/A	N/A	Pass
Blue	F	SSC	61942	1.61	528	-6	N/A	N/A	Pass
Blue	E	FITC	105	36.61	530	-6	0.0226	94	Pass
Blue	D	PE	206	27.21	525	-6	0.1973	258	Pass
Blue	B	PerCP-Cy5-5	216	42.87	621	-8	0.0116	129	Pass
Blue	A	PE-Cy7	70	107.08	670	-11	0.0139	12	Pass
Red	C	APC	336	26.78	585	-9	0.0229	123	Pass
Red	A	APC-Cy7	120	38.80	568	-12	0.0061	1581	Pass
Violet	B	V450	80	40.15	462	-9	0.0502	1744	Pass
Violet	A	V500	172	22.31	488	-8	0.0150	341	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.96	-31.73	0.84
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.30
Red	17.81	13.27 - 19.91	N/A	N/A	32.07	32.34	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 13220

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments